

Work Order ID 151872 - 2

151872

Page 1

Thursday, October 13, 2016 10:40:27 AM

Item ID: D5421-3

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Hose

Stop

NS2

Start Date: 10/13/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 10/19/2016 Req'd Qty: 10.00

10

Customer:

Reference:

DAS

Approvals:

Process Plan:

13

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D5421

A

100

0.00

100

Purchasing

Purchasing

Memo

Issue P/O: 33941

Purchase Part Number: (5288K11)

SUPPLIER: McMaster Carr

Certificate of conformity is required

0.00

10 pcs @ 10 ft

OCT 14 2016

DAS
13
9-27

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.03

8x 10 feet
SP16-10-18

Work Order ID 151872

Thursday, October 13, 2016 10:40:28 AM

151872

Page 2

Item ID: D5421-3 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Hose
Start Date: 10/13/2016 Start Qty: 10.00 ***10*** Cust Item ID:
Required Date: 10/19/2016 Req'd Qty: 10.00 ***10*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 0.03				<u>8</u>			DAS 38 9-88 OCT 25 2016
150 *150* Packaging Packaging	Identify as per dwg & Stock Location: <u>638</u> Memo	0.00 0.03				<u>8 Feet</u>			68-6 26 DAS OCT 25 2016
160 *160* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.17							<u>16/10/26</u> <u>dg</u>

DAS
21
9-89

OCT 26 2016

Picklist Print

Thursday, October 13, 2016 10:40:26 AM

Page 1

Work Order ID: 151872

151872

Parent Item: D5421-3

D5421-3

Parent Item Name: Hose

Start Date: 10/13/2016

Required Date: 10/19/2016

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:A 16.10.07 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
5288K11 *5288K11* Hose		Purchased	No				Each	0.0000	**	10 810		8/16-10-18	

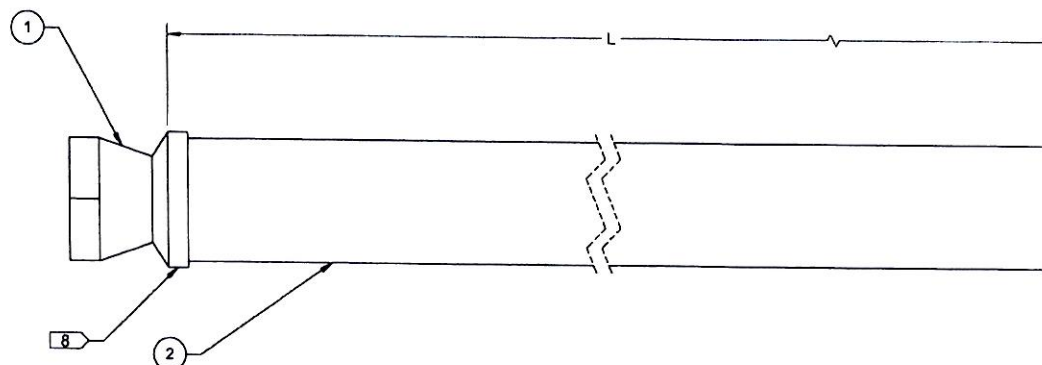
ITEM	QTY	P/N	DESCRIPTION
X	X	D5421-041	OIL DRAIN HOSE ASSEMBLY
1	1	D5421-1	HOSE FITTING
2	1	D5421-3	HOSE

SPECIFICATION CONTROL DRAWING

DAS
13
9-01

OCT 13 2016

W/O: 151872



ITEM NUMBER	DART P/N	DESCRIPTION	PART NUMBER	L (FEET)	COLOUR	MATERIAL
1	D5421-1	HOSE FITTING	53485K22	N/A	N/A	BRASS
2	D5421-3	HOSE	5288K11	10	BLACK	NITRILE RUBBER REINFORCED WITH ARAMID BRAID

D5421-041 OIL DRAIN HOSE ASSEMBLY

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH P/N "D5421-041" USING D2729 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: 0.05 lbs
- 8) ENSURE THAT THE D5421-1 HOSE FITTING IS FULLY INSERTED INTO THE D5421-3 HOSE, SUCH THAT THE HOSE END IS COMPLETELY CONCEALED BY THE PLASTIC RING ON THE FITTING. (OPTIONAL INSTALLATION TOOL: MCMASTER CARR P/N 53685K11)

RELEASED
2016-10-05
Ecu 16-588

APPROVED

A	NEW ISSUE	CC	16.04.21
REV.	DESCRIPTION	BY	DATE
DESIGN	CC		
DRAWN	CC		
CHECKED	VS		
MFG. APPR.	JLM		
APPROVED	HS		
DE APPR.	DS		
DATE	16.04.21		

DART AEROSPACE USA, INC.
EUGENE, OREGON, USA

DRAWING NO.
D5421

TITLE
OIL DRAIN HOSE

COPYRIGHT © 2016 BY DART AEROSPACE USA, INC.
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

REV. A
SHEET 1 OF 1
SCALE
NTS



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33941

Purchase Order Date 10/14/2016
PO Print Date 10/14/2016

Page Number 1 of 4

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

OCT 14 2016
E-MAILED

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	5288K11 AS PER DWG D5421 REV. A B151872 HOSE COLOR: BLACK 10 PCS OF 10 FT LONG	Hose	10/18/2016 Yes 10/18/2016	FN	10.00 Each	\$12.40	\$124.00
2	71725-45	1852A61 HINGE	10/18/2016 Yes 10/18/2016		4.00 Each	\$32.41	\$129.64

DAS
38
9-89

Recu 20 feet SP/b-10-17
24 10
Recu 8 x 10 feet SP/b-10-18

Line Total: \$124.00

Line Total: \$129.64

Deliver To: LUC

Note:

10/14/2016



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Lines 1-5:LUC, 6-: Carl,
7,9,10:CNC
8-:ERIC

Purchase Order
PO33941
Order Placed By
Chantal Lavoie

McMaster-Carr Number
1996738-01

Page 1 of 1
10/14/2016

Line	Product	Ordered	Shipped
1	5288K119 Air Hose for Push-on Fittings 1/4" ID, 1/2" OD, Black, 10 Feet Long	100 Feet	80
7	8803A34 High-Speed Steel Decimal Chucking Reamer .2095" Diameter, 1-1/4" Long Flute, 5" Overall Length, 6 Flute	2 Each	2

16-10-18
DAS
38
9-89

Shipped separately from our Cleveland warehouse on 10/14

1	5288K119 Air Hose for Push-on Fittings 1/4" ID, 1/2" OD, Black, 10 Feet Long	100 Feet	20
2	1852A61 Load-Rated Surface-Mount Hinge with Holes,#150 Cap/Pair, Primed Steel, 4" Wide, NON-Cntrsunk	4 Each	4
3	1619K12 Wraparound-Lens Ceiling and Wall Light for Tubular T5 Bulbs, 48" x 14-5/8" x 2-7/8"	1 Each	1
4	6730T24 Armored Building Cable Three 12-Gauge Wires, 250 Feet Long	1 Each	1
5	9296T11 Wet-Location Emergency Backup Light for Incandescent Bulbs	1 Each	1
6	4125A186 Band Saw Blade for Straight Cuts 1/2" Wide x 0.025" Thick, 140" Long, 14 Teeth Per Inch	10 Each	10
8	91030A460 Low-Strength Steel Flange Nut Black-Oxide, 1"-14 Thread Size	1 Each	1
9	7250T13 Economy Plastic Dust Pan 12-1/4" Wide x 8-1/4" Deep x 2-5/8" High, Black	3 Each	3
10	7158T14 Dust Brush with Plastic Bristles 8" Brush Length, 2-1/2" Bristle Length, 13-1/4" Overall Length	3 Each	3